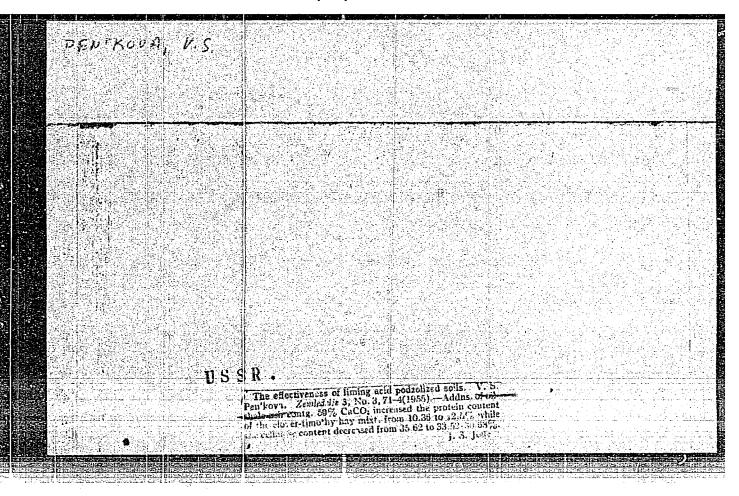
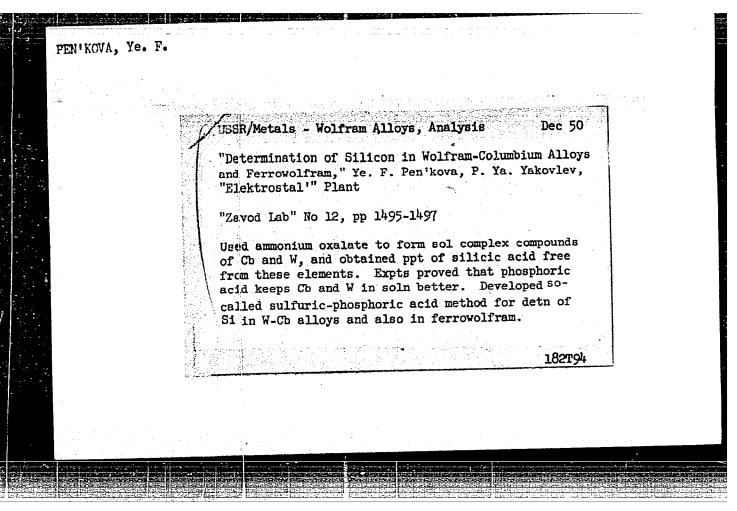
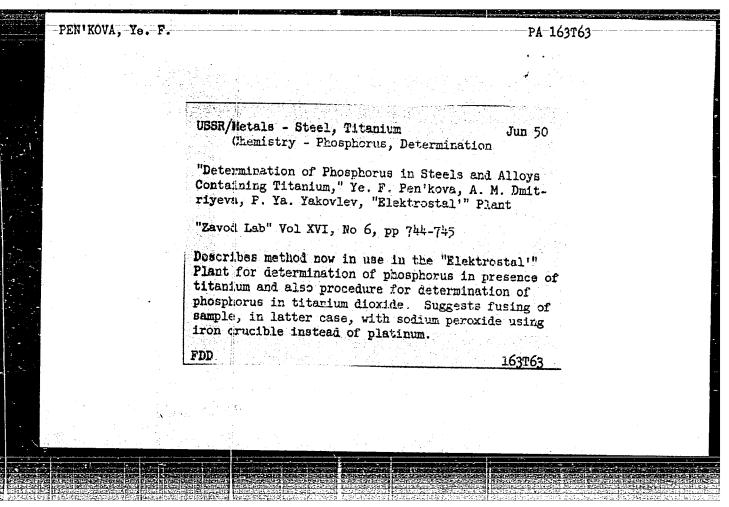
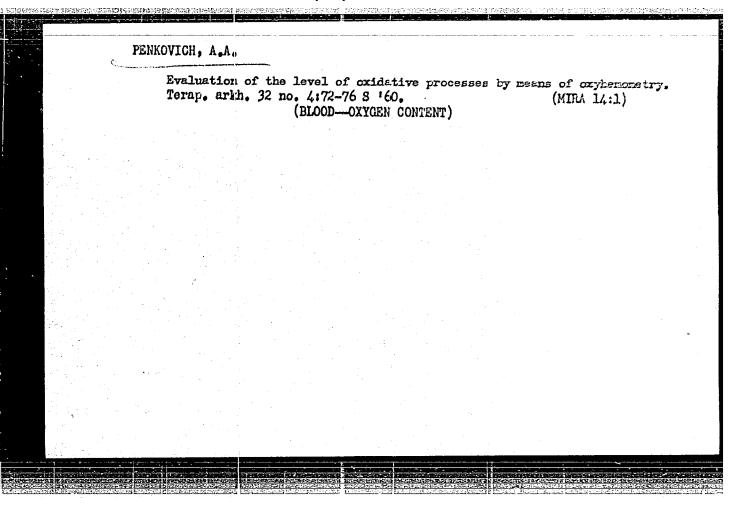


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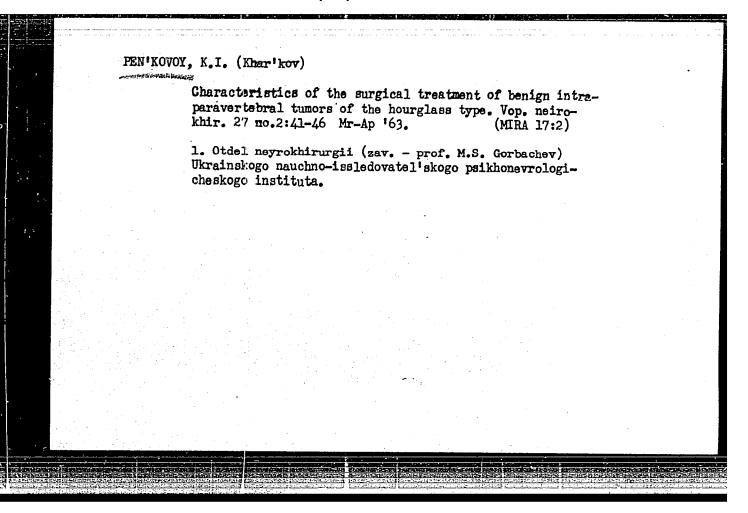








PEN'KOVOY, R. I. (Khar'kov)									
	Characteristics of the clinical picture and surgical technic in neuroectodermal craniospinal tumors. Vop. neirokhirurgii no.3:42-46 '62. (MIRA 15:7)								
	1. Otdel neyrokhirurgii Ukrainskogo nauchno-issledovatel¹skogo psikhonevrologicheskogo instituta.								
	(BRAIN_TUMORS) (SPINAL CORD_TUMORS)								



PENIKOVOY, K.I.

Repeated operations in recurrences of benign intraparavertebral tumoro (houralass shared). Vop. neirokhir. no.5:53 164.

(MTRA 18:10)

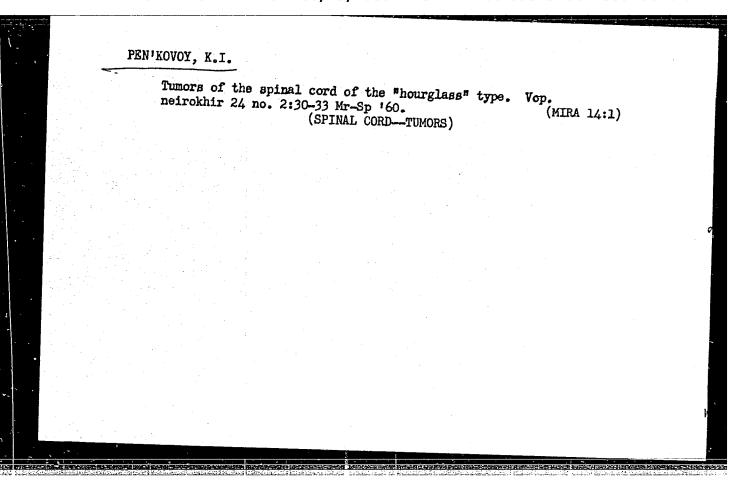
1. Otdol neyrokhirurgii (zav. - prof. M.9.Gorbachev; nauchnyr rukovoditel! - prof. Ya.M.Pavlonskiy [deceased]) Ukrainskogo nauchno-issledovatel!skogo psikhonevrologicheskogo instituta, Kher!kov.

PAVLONSKIY, Ya.M., prof.; PEN'KOWOY, K.I. (Khar'kov)

Surgical approaches to tumors of the brain through the incisuratentorii. Vop.neirokhir. no.2:24-27 '62. (MIRA 15:3)

1. Otdel neyrokhirurgii Ukrainskogo nauchno-issledovatel'skogo neyrokhirurgicheskogo instituta.

(ERAIN-TUMORS) (ERAIN-SURGERY)



PEN'KOVOY, YE. D.

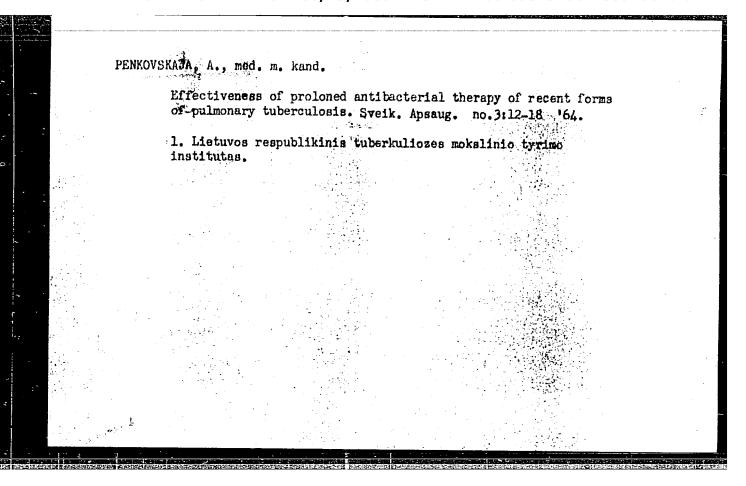
USSR/Engineering
Fuel Conservation
Efficiency, Industrial

Aug 48

"Standardization of Fuel and Heat Expenditure in Industrial Enterprises," S. F. Ivanov, Ye. D. Pen'kovoy, Engineers, 2 pp

"Za Ekonomiyu Topliva" Vol V, No 8

Points out some faulty practices in establishing progressive norms for factories. PA 46/49T39



PENKOVSKAJA, A., med.m. kand.

The effectiveness of prolonged antibacterial therapy of recent forms of pulmonary tuberculosis. Sveik. apsaug. 9 no.3:12-18

1. Tuberkuliozes m.t. institutas.

¥

SLASTIKHIN, V.V.; PEN'KOVSKATA, A.M.

Water for a nation's needs. Okhr. prir. Mold. no.3:23-24 165.
(MIRA 18:10)

PEN KOVSKAYA, A.T., kand.med.nauk; BAGROVA, Z.D.

Immediate and late results in treating tuberculosis of the lungs with antibacterial preparations. Probl.tub. 39 no.1: 46-50 '61. (MIRA 14:1)

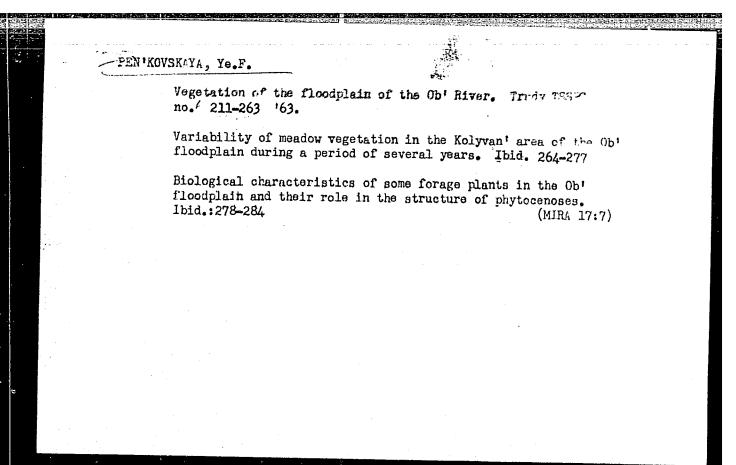
1. Iz Litovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand.med.nauk Yu.L. Gamperis, zam. dir. po nauchnoy chasti - prof. I.Ye. Kazakevich).

(TUBERCULOSIS)

PEN'KOVSKAYA, Ye.F.

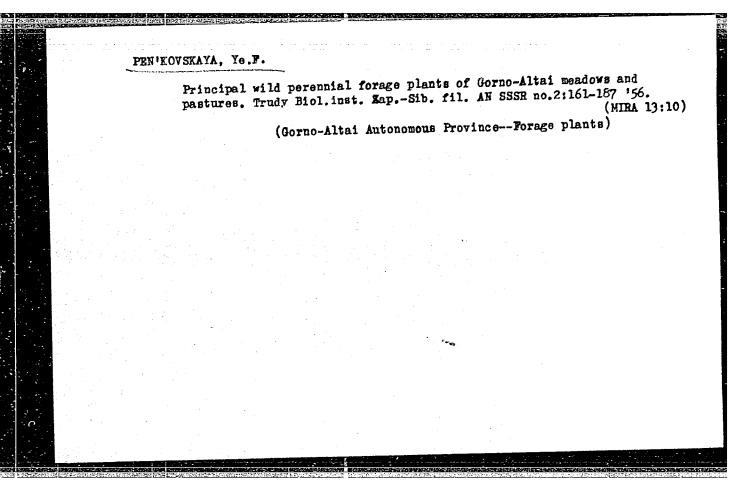
Seasonal development and effective utilization of meadow vegetation in the Kolyvan floodlands of the Ob River. Izv.Sib.otd.AH SSSR no.2:85-96 '60. (MIRA 13:6)

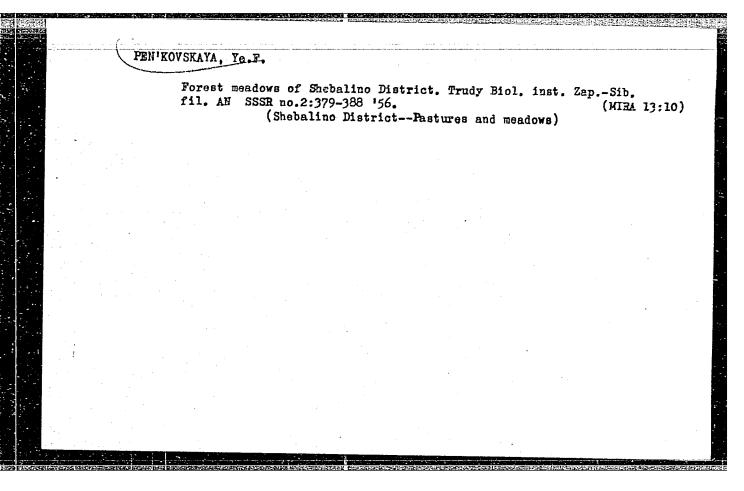
1. Institut biologii Sibirskogo otdeleniya AN SSSR (Ob Valley--Pastures and meadows)



PEN'KOVSKAYA, Ye.F.; PAYLOVA, G.G.

Alpine meadows of the central Altai. Trudy Biol. inst. Zap.-Sib.
fil. AN SSSR no.2:203-235 *56. (MIRA 13:10)
(Altai Mountains--Pastures and meadows)





PEN'KOVSKAYA-SHMUL'YAN, D. B.

USSR/Medicine - Anaphylaxis and Allergy Medicins - Blood Vessels

Jan 1948

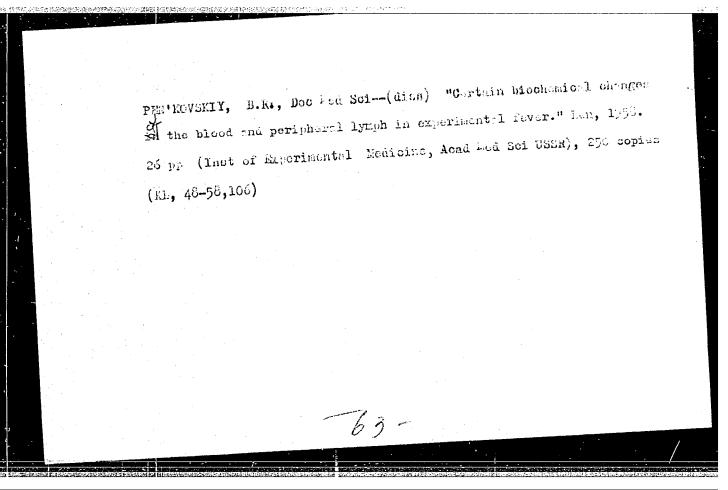
"The Allergic Dilation of the Vessels in a Dog's Tongue," Prof A. D. Ado, Deputy, Chair of Pathol Physiol, Corr Mem, Acad Med Sci, USSR; D. B. Pen'kovskaya-Shmul'yan, Chair of Pathol Physiol, Kazan Med Inst, 42 pp

"Arkhiv Patol" Vol X, No 1

Dilation of vessels due to allergy is a phenomenon which has been little studied. Authors discuss experiments on normal dogs, on sensitized dogs, with absence of parasympathetic inervation of the tongue vessels, for isolation of acetyl-choline, and histamine, and determining the sensitivity of the dog's tongue vessels to acetylcholine. Submitted, 11 Feb 1947.

PA 41T69

PEN'KOVSKIY, B. R. Dr. Med Sci — (diss) "Certain Blochemical Changes of the Blood and Peripheral Lymph During Experimental Fever," Leningrad, 1960, 31 pp, 300 copies (Institute of Experimental Medicine, AMS USSR) (KL, 47/60, 106)



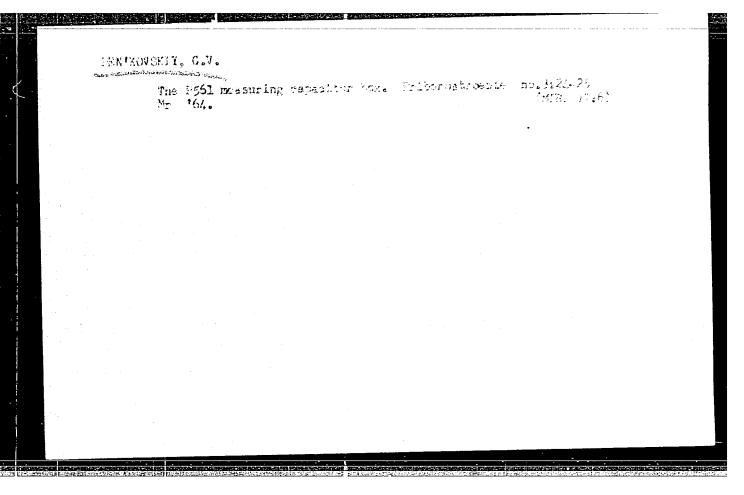
PEN'KOVSKIY, F.; MISARENKO, G.

Establishing year-round maintenance of machinery and equipment at grain procurement stations and centers of Moscow Province.

Muk.-elev.prom. 26 no.2:6-8 F **160. (MIRA 13:6)

1. Nachalinik Moskovskogo oblastnogo upravleniya khleboproduktov (for Pen'kovskiy). 2. Nachalinik tekhnicheskogo otdela Moskovskogo oblastnogo upravleniya khleboproduktov (for Misarenko).

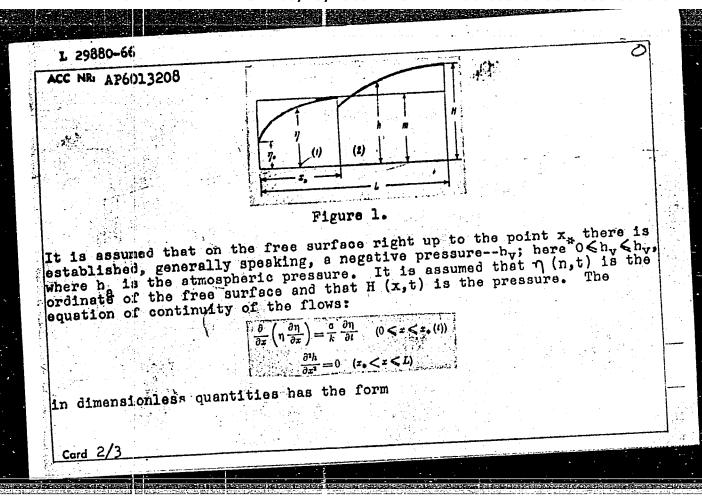
(Moscow Province-Grain elevators-Equipment and supplies)
(Grain-handling machinery-Maintenance and repair)



29880-66 UR/0421/66/000/002/0120/0122 SOURCE CODE: ACC NRI AP6013208 1/ Pen'kovskiy, V. I.(Novosibirsk) B AUTHOR: 到的政治是 ORG: none measure Unsteady state pressure-no pressure movement in a slit-shaped TITLE: trench AN SSSR. Izvestiya. Mekhenika zhidkosti i gaza, no. 2, 1966, SOURCE: 120-122 TOPIC TAGS: filtration, soil property ABSTRACT: The article treats the simplest case of the problem, that is, unsteady state pressure-no pressure movement in a stratum with a permeable top and bottom, simulated by a slit-shaped trench. Let it be assumed that in a stratum with a length L, a width m, and with a pressure H = const, at x = 0, the instantaneous pressure is lowered in such a manner that there are formed two regions varying with time: region (1) with flow from a free surface and region (2) with movement under pressure. The shifting break away point of the free surface is called the critical point and its abscissa is designated as x4. (See Figure 1).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239920016-8"

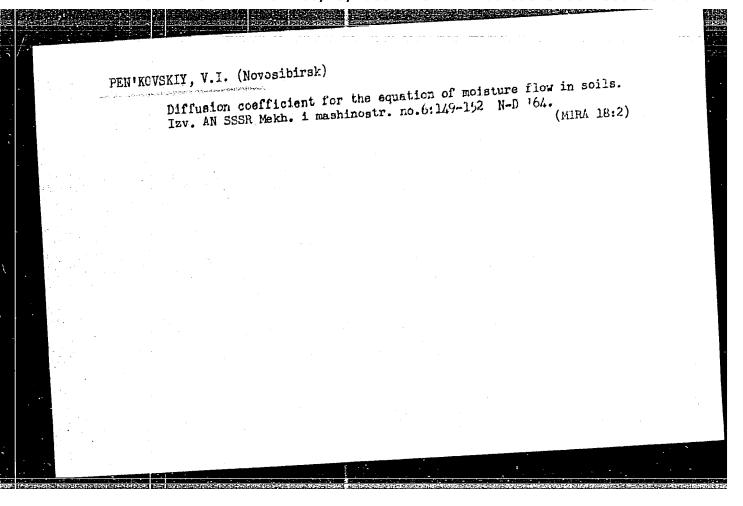
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PEN'KOVSKIY, V.

Thanks to the innovators! Mast. ugl. no.10:27 0 159. (MIRA 13:3)

1. Predsedatel pervichnoy organizatsii Vsesoyuznogo obshchestva izobretateley i rationalizatorov v shaktoupravlenii No.3-4 *Zhdanovskoye. (Donets Basin--Coal mines and mining)

PENIKOVSKIY, V.M.

Concerning V.P. Vikturina"s article "Current status of roentgenological services in the R.S.F.S.R." Vest. rent. i rad. 36 no. 2:79-82 Mr-Ap

'61. (MIRA 14:4)

1. Glavnyy rentgenolog Kuybyshevskogo gorzdrava.
(RADIOLOGY, MEDICAL) (VIKTURINA, V.P.)

S

AM:035372

BOOK EXPLOITATION

Kabakchi, Andrey Mikhaylovich; Lavrentovich, YAroslay Iosifovich; Pen'kovskiy, Vladimir Vladimirovich

Chemical dosimetry of ionizing radiation (Khimicheskaya dozimetriya ioniziruyushchikh izlucheniy), Kiev, Izd-vo AN UkrSSR, 1963, 155 n. illus., biblio. Errata slip inserted. 2,700 comies printed. (At head of title: Akademiya nauk Ukrainskoy SSR. Institut fizicheskoy khimii im. L. V. Pisarzhevskogo).

TOPIC TAGS: chemical dosimetry, irradiation

PURPOSE AND COVERAGE: The book covers the theoretical and experimental material accumulated in recent years in the field of chemical dosimetry. Attention is given mainly to the possibility of using methods of chemical dosimetry for the solution of problems that are difficult or impossible to solve using other methods (measured problems that are difficult or impossible to solve using other methods (measured the absorbed dose in Joules per kilogram, separate determination of the doses of several types of irradiation, measurement of large doses, etc.). The book includes a detailed examination of the technique of determining the value of a dose by chemical methods in practical problems. The book is intended for a wide audience of specialists concerned with measurement of absorbed energy of various types of radiation. It can be recommended for graduate students and students specializing Cord 1/2

	à
AM:035372 in the fields of radiation chemistry, radio biology, and radiation	n physics.
TABLE OF CONTENTS [abridged]:	
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thods 136 SUB CODE: GP, GC SUBMITTED: 120ct63 NR REF SOV: 109	
OTHER: 321 DATE ACQ: OSMar6h	
Card 2/2	
	Because Construction and Section 122 Construction and

PENKOVSKIY, V. V.

21-58-7-12/27

AUTHORS:

Frantsevich, I.M., Corresponding Member of the AS UkrSSR, Kalinovich, D.F., Kovenskiy, I.I., Pen'kovskiy, V.V. and

Smolin, M.D.

TITLE:

Electrodiffusion of Tungsten in an Iron - Tungsten Alloy (Elektrodiffuziya vol'frama v splave zhelezo - vol'fram)

PERIODICAL:

Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Kr 7,

pp 736-739 (USSR)

ABSTRACT:

The role which is played in highly heat-resistant alloys by the increase in the strength of interatomic bonds in metal solid solutions is well known. The strength of interatomic bonds is essentially increased by the donor-acceptor interaction between the atoms of elements which compose the alloy. The availability of information on this interaction makes it possible to theoretically base the selection of a composition with optimum characteristics of heat resistance. The electrotransfer method is the best for studying the donor or acceptor ability of the alloy components. This article describes an investigation of tungsten migration in its solid solution in iron being subjected to a constant electric field, which

Card 1/3

21-58-7-12/27

Electrodiffusion of Tungsten in an Iron - Tungsten Alloy

was carried out by means of the radioactive isotope W 185. Experiments on electrotransfer were conducted at 900; 950; 1,000; 1,050; 1,100 and 1.150°C, and at exposure times from 40 to 110 hours. It has been established that in the solid metal solution of tungsten in iron, the former migrates, under the action of a constant electric field, towards the cathode. On the basis of experimental data, veards the cathode. On the basis of experimental data, veards the cathode at a tom displacements have been computed, as well as the charges of tungsten ions and transputed, as well as the charges of tungsten ions and transfer ratios at all investigated temperatures. It has been shown that the migration speed and transfer ratio values increase with an increase of temperature from 900 to 1,000°C while the charge remains constant. At a further

Card 2/3

21-58-7-12/27

· Electrodiffusion of Tungsten in an Iron - Tungsten Alloy

rise of temperature all these quantities decrease and reach zero at 1,150°C. There are 2 graphs, 1 table and

3 Soviet references.

ASSOCIATION: Institut metallokoramiki i spetsial'nykh splavov AN UkrSSR

(Institute of Metalloceramics and Special Alloys of the

AS UkrSSR)

SUBMITTED:

February 15, 1958

NOTE:

Russian title and Russian names of individuals and institutions appearing in this article have been used in

the transliteration

1. Iron-tungsten alloys--Diffusion 2. Iron-tungsten alloys--Temper-

ature factors 3. Tungsten isotopes (Radioactive) -- Applications

Card 3/3

FRANTSEVICH, I.N. [Frantsevych, I.M.]; KALINUVICH, D.F. [Kalynovych, D.F.]

KOVENSKIY, I.I. [Kovens'kyi, I.I.]; PEN'KOVSKIY, V.V. [Pen'kovs'kyi,

V.V.]

Migration of components of solid metal folutions in a direct current field. Part 2. [in Ukrainian with summary in English]. Ukr. fiz. zhur. Supplement to 3 no.1:64-67 '58. (MIRA 11:6)

l.Institut metalokeramiki i spetssplaviv AN URSR.

(Ions--Migration and velocity)

(Solutions, Solid--Electric properties)

FRANTSEVICH, I.M. [Frantsevych, I.M.]; KALINOVICH, D.F. [Kalynovych, D.F.];

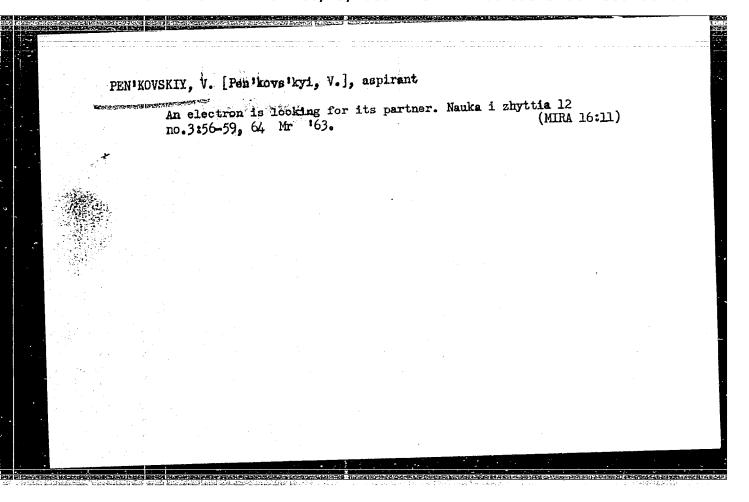
KOVENSKIY, I.I. [Kovens'kyi, I.I.]; PEN'KOVSKIY, V.V. [Pen'kovs'kyi,

V.V.]

On the migration of solid metal solution components in a direct
current field [In Ukrainian with summary in English]. Ukr.fiz.zhur.
3 no.1:124-133 Ja-F '58.

(MIRA 11:4)

1.Institut metalokeramiki spetsial'nikh splaviv AN URSR.
(Heat resistant alloys)
(Electric fields)



PEN'KOVS'KIY, V. [Pen'kovs'kyi, V.], aspirant

Reaction accelerated a million times. Nauka i zhyttia 13 no.7: 25-27 J1 '63. (MIRA 16:10)

1. Institut fizicheskoy khimii im. L.V.Pisarzhevskogo AN UkrSSR.

PRANTSEVICH, I.N. [Frantsevych, I.M.]; KALINOVICH, D.F. [Kalynovych, D.F.];
KOVENSKIY, I.I. [Kovens'kyi, I.I.]; PEN'KOVSKIY, V.V. [Pen'kovs'kyi, V.V.]

Migration of the components of solid solutions of metals in the field of a direct current. Part 3 [with summary in English]. Ukr.fiz.zhur.
3 no.4:552-559 Jl-Ag '58.

1. Institut metallokeramiki i spetsial'nykh splavov AN USSR.

(Diffusion) (Solution, Solid) (Iron)

AUTHORS:

Frantsevich, I. N., Kalinovich, D. F.,

SOV/20-121-2-23/53

Kovenskiy, I. I., Pen'kovskiy, V. V.

TITLE:

The Role of Iron as an Acceptor in an Iron-Carbon Alloy

(Ob aktseptornoy roli zheleza v zhelezo-uglerodistom splave)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 2,

pp. 277 - 279 (USSR)

ABSTRACT:

The stability of the interatomic binding in the crystal lattice is essentially important for a number of properties as e.g. the heat resistance. The stability of the binding depends on the donor-acceptor interaction of the atoms of the alloyed components with the atoms of the base metal of an alloy. From the number of indirect methods of investigating the donor-acceptor interaction (X-ray structure-, magnetic-, thermochemical analysis, measurement of the electric resistance etc.) the most effective method is that of electric transfer - the migration of the atoms of the alloy component in a steady electric field. In their investigation the authors used samples of Fe-C-alloys with 0,6 mm diameter and 60 mm length, produced from electrolytic iron with 1% C; the central

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CIA-RDP86-00513R001239920016-8" APPROVED FOR RELEASE: 06/15/2000

The Role of Iron as an Acceptor in an Iron-Carbon Alloy SOV/20-121-2-23/53

parts of the samples were covered electrolytically by radioactive Fe⁵⁹. The coordinates of the radioactive investigation
zones were measured by means of a comparator. The investigations
were carried out in the temperature range of from 900 to
1100°C, the samples were exposed to these temperatures for
from 12 to 40 hours. The displacement of the boundaries of
the activated zones is in the order of some tenths of a mm
up to some mm (the displacement of the anode boundary is
almost ten times higher than the displacement of the cathode
boundary, if T< 1000°), the velocity of displacement of the
zone boundaries is about some 10°6 cm/sec and decreases with
increasing T. If T = 1100°C a migration practically does not
take place any longer (see Table 1)There are 1 figure, 1 table,
and 15 references, 6 of which are Soviet.

ASSOCIATION:

Institut metallokeramiki i spetsial'nykh splavov Akademii nauk USSR(Institute of Powder Metallurgy and Special Alloys, AS UkrSSR)

Card 2/3

The Role of Iron as an Acceptor in an Iron-Carbon Alloy SOV/20-121-2-23/53

PRESENTED:

January 15, 1958, by G.V. Kurdyumov, Member, Academy of Sciences,

USSR

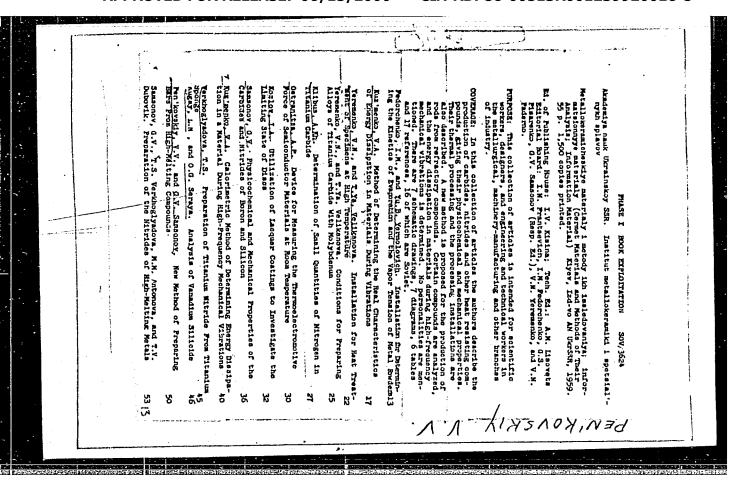
SUBMITTED:

January 8, 1958

Card 3/3

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920016-8



PEN'KOVSKIY, V.V.

Effect of neutron irradiation on high-melting compounds and cermets. Porosh, met. 1 no.5:74-79 S-0 '61. (MIRA 15:6)

1. Institut metallokeramiki i spetsial'nykh splavov AN USSR. (Geramic metals)
(Metals, Effect of radiation on)

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26642 s/051/61/011/003/003/003 E132/E435 SASCIVIT) (ac)wen

AUTHORS:

Samsonov, G.V. and Pen'kovskiy, V.V.

TITLE:

A study of the emissive power of certain refractory

compounds in the infra-red region.

PERIODICAL: Optika i spektroskopiya, 1961, Vol.11, No.3, pp.410-414 Compositions studied by the authors were limited to two

types of mixtures, viz. SiC-MoSi2 and SiC-Si3N4-MoSi2. these were found to resist oxidation when heated in air up to 1400 - 1500°C. The two-component mixtures of SiC-MoSi2 were prepared with the SiC contents of 60, 80 and 85%; the three component mixtures were composed of SiC, MoSi2 and Si. of the latter corresponded to the stoichiometric requirement for Si3N4. The particle size was less than 53 μ in the case of Si The samples and $MoSi_2$ and less than 10 μ in the case of SiC. were prepared in the usual way, by compounding with a bakelite solution, pressing and squeezing out to form rods of 5 to 6 mm dia, which were subsequently dried at room temperature followed by drying at 150°C and final sintering at 500°C, in the atmosphere of hydrogen in the case of SiC-MoSi2, and nitrogen in the case of SiC-Si3N4-MoSi2. The samples were heated up to 1500°C and did not Card 1./3

26642 5/051/61/011/003/003/003 E132/E435

A study of the emissive power of ...

show any signs of cracking after 6 hours of heating. They were mounted in water-cooled clamps, but the temperature along the rods was found to be very uniform. The emission spectra of the above samples were studied with the help of a recording infra-red spectrometer within the interval of 4 to 15 μ . The duration of emission of each spectrum was 17 minutes. The results were correlated for the general background of the dispersed light; final intensity readings were taken on a mirror galvanometer with a scale accuracy of 1 mm. The emissivity was referred to the standard SiC globar, and plotted as relative intensity vs. wavelength for each sample. It was shown that the intensities of emission of the SiC-MoSi2 and SiC-Si3N4-MoSi2 samples were identical in the region of 4 to 14 μ . The positions of maxima in the emission spectra of SiC were not affected by the addition of 3 to 14% mol of MoSi2. Additions of 6% mol of Si3N4 to SiC caused displacement of maxima towards the shorter wavelengths. Acknowledgments are expressed to A.F. Mal'nev and A.F. Yatsenko for assistance. There are 2 figures, 3 tables and 10 references: 4 Soviet and 6 non-Soviet. The four most recent references to English language publications read as follows: Card 2/3

PHASE I BOOK EXPLOITATION SOV/6083

Pen'kovskiy, Vladimir Vladimirovich

- Deystviye oblucheniya na metally i nekotoryye tugoplavkiye materialy (Effect of Irradiation on Metals and Certain Refractory Materials). Kiyev, Izd-vo AN UkrSSR, 1962. 182 p. 1,600 copies printed.
- Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Institut metallokeramiki i spetsial'nykh splavov.
- Resp. Eds.: G. V. Samsonov, Corresponding Member, Academy of Sciences UkrSSR, and S. G. Tresvyatskiy, Professor, Doctor of Technical Sciences; Ed.: Z. S. Pokrovskaya; Tech. Ed.: M. I. Yefimova.
- PURPOSE: This book is intended for specialists in the fields of solid-state physics, physics of metals, and in the technology of refractory compounds.

Card 1/4

Effect of Irradiation on Metals (Cont.)

SOV/6083

COVERAGE: The theory of the effect of irradiation with neutrons and other elementary particles on various materials is described. Data are presented on structural changes, phase transformations, and changes in the electrical, magnetic, optical, and strength properties of materials resulting from exposure to radiation. Types of materials most resistant to radiation in nuclear reactors are indicated. No personalities are mentioned. There are 500 references, mostly non-Soviet.

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	2017/201	. 9
Effect of Irradiation on Metals (Cont.)	SOV/608	33
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AVAILABLE: Library of Congress		
SUBJECT: Metals and Metallurgy		
Card 4/4		

S/125/62/000/002/004/010 D040/D113

AUTHORS:

Pen'kovskiy, V.V.; Samsonov, G.V.

TITLE:

Electrodes of refractory compounds for underwater oxy-electric

steel cutting

PERIODICAL: Avtomaticheskaya svarka,/no.2, 1962, 39-43

TEXT: Righly durable tubular electrodes of titanium carbide with a stabilizing coating have been developed for underwater steel cutting and tested by the TsNIIsvyazi Ministerstva Svyazi SSSR (Central Scientific Research Institute of Communications, Ministry of Communications of the USSR). Information on the experiments in which the new electrodes were produced, and on all electrode and coating materials experimented with, is given. The experiments were conducted in view of the very high consumption of existing underwater-cutting electrodes which have to be replaced too frequently and cause various difficulties. The electrode design (Figure) is the conventional one for cutting by the oxyelectric method in which metal is melted by electric arc and blown off by a jet of oxygen from the duct in the electrode. Tubular electrodes, containing refractory carbides and borides, and compounds of silicon and boron carbides,

Card 1/4 3

S/125/62/000/002/004/010 D040/D113

Electrodes of refractory compounds ...

were produced. The diameter of the electrodes was 9-10 mm and the length 250 mm. Tubular blanks were produced from powders mixed with bakelite varnish or with starch paste and extruded through a die by a method previously described (Ref. 7: Samsonov, G.V., Kisliy, P.S., Dopovidi AN URSR, no.1, 46, 1959), cut to lengths, and then dryed and sintered in an induction furnace. Sintered tubes were coated with boron nitride or silicon nitride-base coatings, as well as a compound of the formula $Si_x C_y O_z$ called "siloksikon". The coating permits maintaining stable arc burning through sublimation and dissociation of Si_3N_4 and BN, and forming a shielding nitrogen atmosphere around the electrode end. Potassium ferrocyanide was added to increase ionization. All electrode types were tested underwater in the Malaya Neva river by cutting 10 and 15 mm plates of 27.3 (St.3) steel by the conventional method. Electrodes of titanium carbide were evidently the best and 6 to 10 times more durable than the $3\Pi P-1$ (EPR-1) metal electrodes. With all titanium carbide electrodes, the arc excitation was easy, the arc burning steady, the cuts clean and the quantity of slag insignificant. The authors thank M.M.Aleksandrov, N.M.Madatov and S.G.Agroskin for assistance in experiments. A.I. Chernenko, G.V. Samsonov and A.I. Shlyamin are mentioned. There is 1 figure and 9 references; 8 Soviet and 1 non-Soviet-bloc

Card 2/1 3

S/125/62/000/002/004/010
Electrodes of refractory compounds ... D040/D113

ASSOCIATION: Institut metallokeramiki i spetsial*nykh splavov AN WESR (Institute of Powder Metallurgy and Special Alloys, AS UkrssR),

SUBMITTED: February 10, 1961

Card 3/4 4

KABAKCHI, Andrey Mikhaylovich; LAVRENTOVICH, Yaroslav Iosifovich; PEN'KOVSKIY, Vladimir Vladimirovich; KONOZENKO, I.D., doktor tekhn. nauk, otv. red.; POKROVSKAYA, Z.S., red.; TURBANOVA, N.A., tekhn. red.

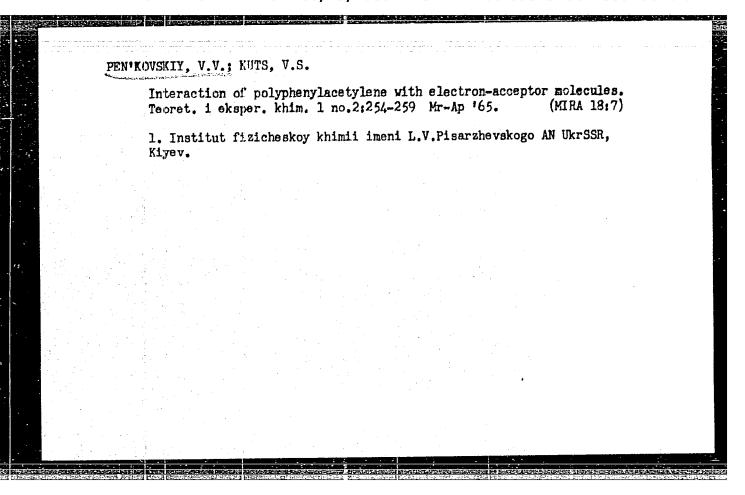
[Chemical dosimetry of ionized radiations] Khimicheskaia dozimetriia ioniziruiushchikh izluchenii. Kiev, Izd-vo USSR, 1963. 155 p. (MIRA 17:1)

PEN'KOVSKIY, V.V.

Compounds with conjugated druble bonds. Usp. khim. 33 no.10:1232(MIRA 17:11)

1. Institut fizicheskoy khimii imoni Pisarzhevskogo / N Ukrssk.

L 37009-66 EWT(m)/EWP(1) RM/JW SOURCE CODE: UR/0379/66/002/002/0282/0285 ACC NR. AF60:18596 SOURCE CODE: UR/0379/66/002/002/0282/0285
ORG: Institute of Physical Chemistry im, L. V. Pisarzhevskiy, AN UkrSSR, Kiev
(Institut fizioneskoy knimil hi ohison TITIE: Formation of ion radicals in the reaction of tetracyanoethyleno with pyridine and its derivatives
SOURCE: Teoreticheskaya i eksperimental naya khimiya, v. 2, no. 2, 1966, 282-285 TOPIC TAGS: ion radical, pyridine, ethylene, cyanogen compound, EPR spectrum
ABSTRACT: The author found that when tetracyanoethylene (TCE), a strong electron acceptor, is dissolved in pyridine and in 2,4- or 2,6-lutidine under a vacuum of 10-2 ceptor, is dissolved in pyridine and in 2,4- or 2,6-lutidine under a vacuum of 10-2 mm Hg or higher, a strong ESR spectrum is produced. The concentration of unpaired electrons immediately after dissolution is 5 x 10 ²⁰ per g of TCE, which corresponds to the conversion of 10% of TCE molecules into ion radicals. Storage of the samples causes a gradual decrease of the signal. The ESR spectrum obtained consists of nine components. The splitting between the components is 1.56 ± 0.05 Oe; the ratio of incomponents is 1:4:10:16:19:16:10:4:1, which corresponds to splitting on four equivalent tensities is 1:4:10:16:19:16:10:4:1, which corresponds to be due to the interaction of N ¹⁴ nuclei. The doublet splitting observed is thought to be due to the interaction of an unpaired electron with a proton. When an electron is transferred from the base to TCE, the formation of an ion-radical complex resembling a quaternary salt is probably Card 1/2



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	SOURCE: Typeokomolekulyarnymya soyadineniya, v. 8. no. 10, 1964, 1755-1757
	TOPIC TAGE: Porganic semiconductor, semiconducting polymer, hereromorganic polymer, lutidine, butadione, sinc chloride, electron paramagnetic resonance
-	ABSTRACT: A new polymer with conjugated double bonds, containing pyridine rings in the backbone was prepared. It is noted that polymers with hatero atoms in the backbone are of interest because
	their electrical conductivity, as a rule, is high. In this case, 2,6-lutidine was reacted with 2,3-bitedione in the presence of sperious
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	Card 1/3

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ACCESSION NR: AP4047197

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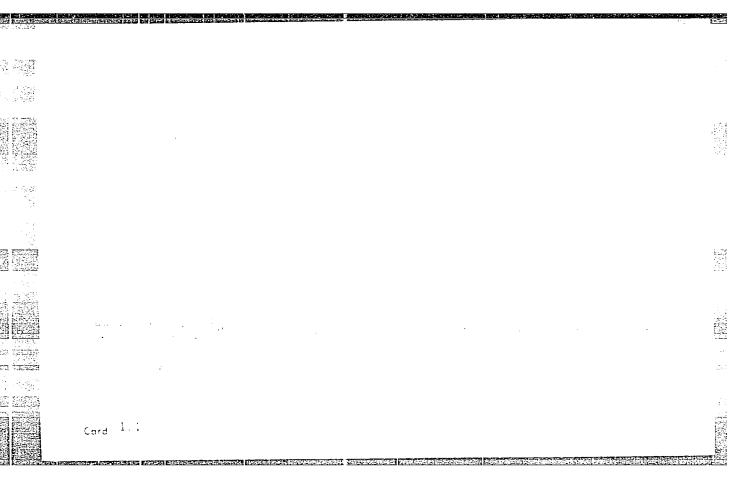
and acetic acid. The average molecular weight was about 1000. The polymer was assigned the following structure

$$O = G - (G = CH - I) - CH = G - G = 0$$

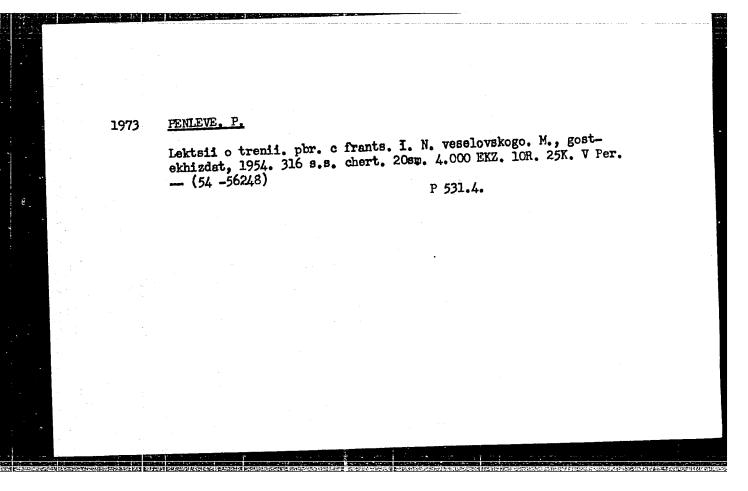
which was confirmed by IR spectroscopy, elemental analysis, and endgroup determination. The polymer gave an EPR signal which changed

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AN CENTRUM SURVEYS BUT DES ENGINETES DE ACTION DE L'ARRESTE : L'ARRESTE MANDE SUR SURVEYS SUR L'ARRESTE DE LA COMME DE L'ARRESTE DE L'A



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intermolecular complexes with a charge transfer in the solid phals. "The authors thank L. N. Lugin for conducting spectral at	nase of the materi- nalysis." "R. S.
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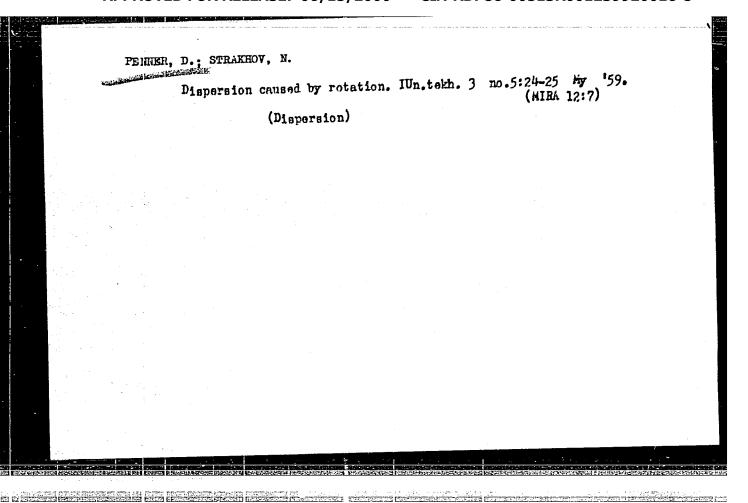


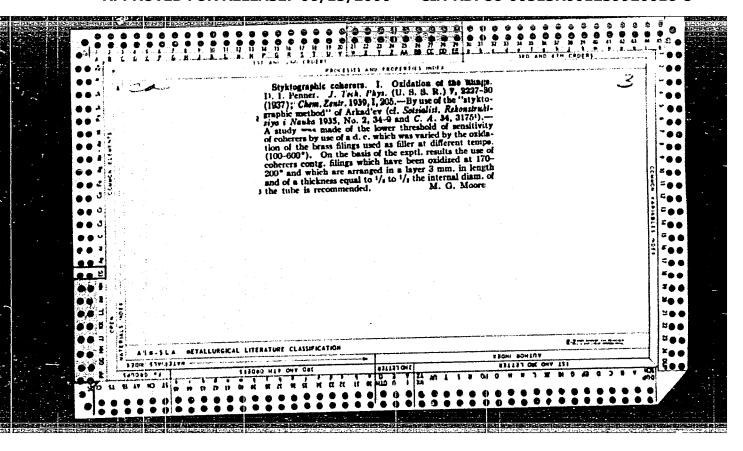
CHYTILOVA, M.; KEITEL, W.; UHER, J.; PENNDORF, K.

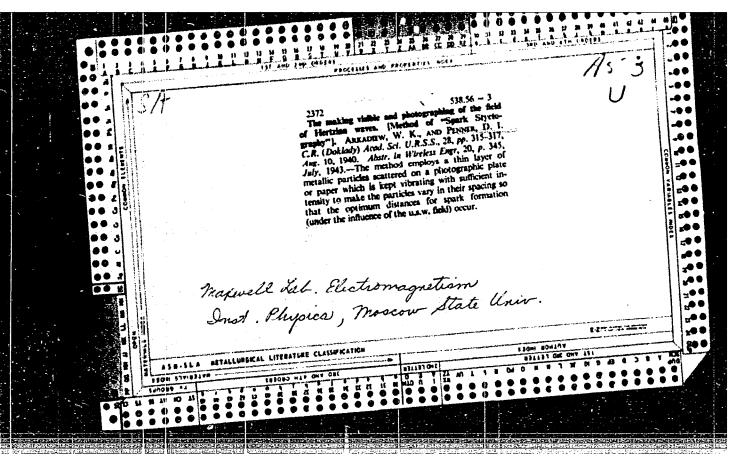
Bone cysts -- a manifestation of an auto-agressive disease.

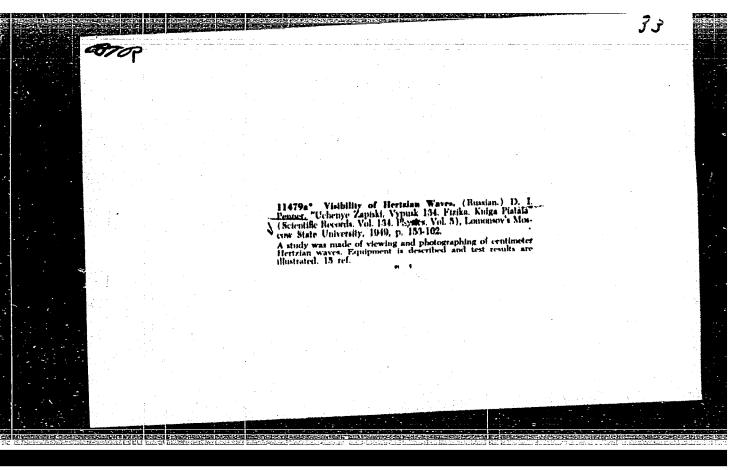
Acta chir. orthop. traum. Cech. 32 no.4:323-324 Ag 165.

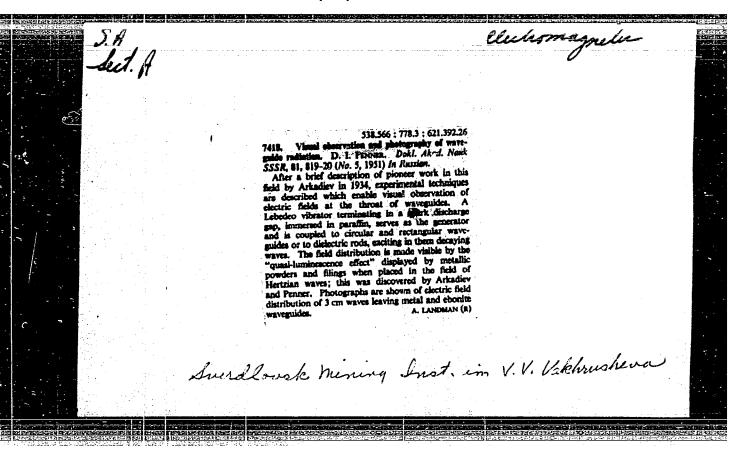
1. Vyzkumny ustav traumatologicky, Brno; Medizinische Akademie, Magdeburg, DDR.











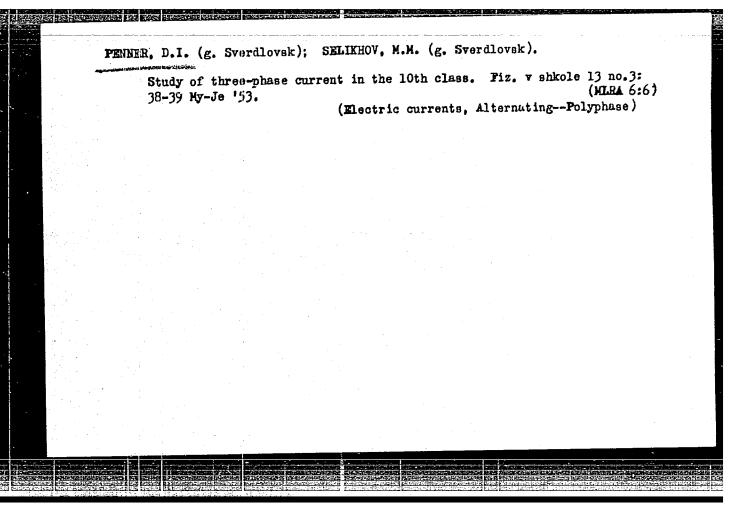
PERMER, D.I., VOROSHILOV, V.P.

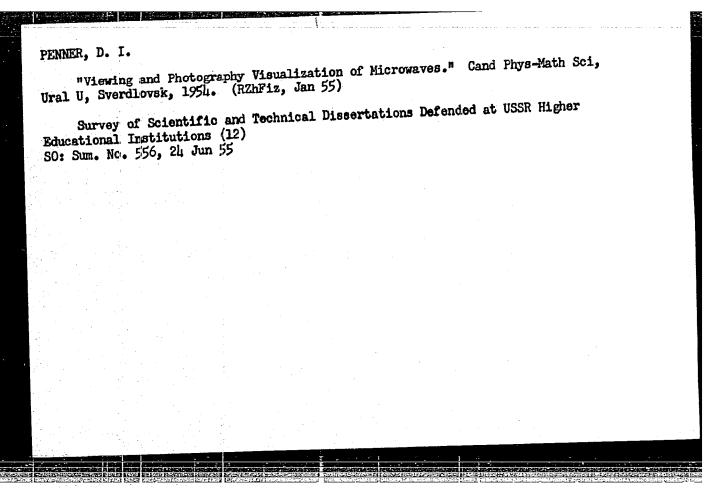
Electricity - Experiments

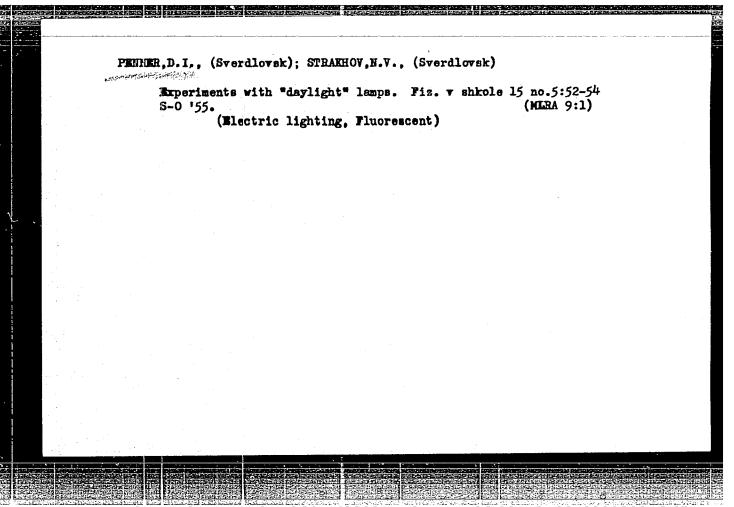
Two demonstrations of A.S. Popov's experiments. D.I. Penner, V.P. Voroshilov.

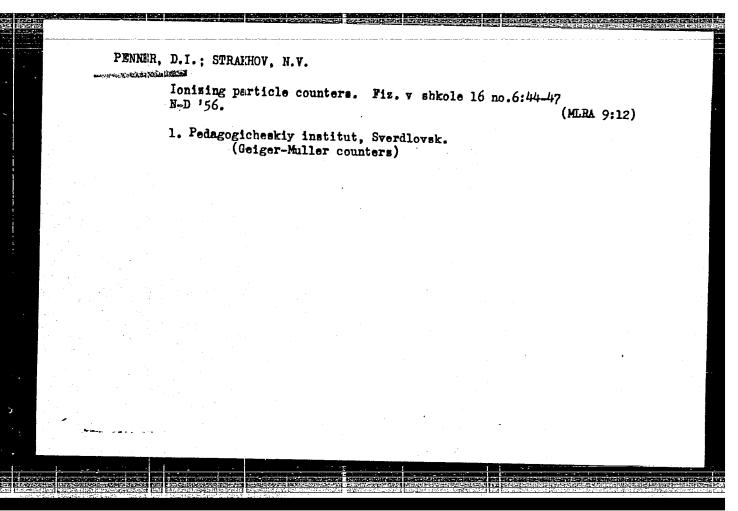
Fiz. v shkole, no h, 1952.

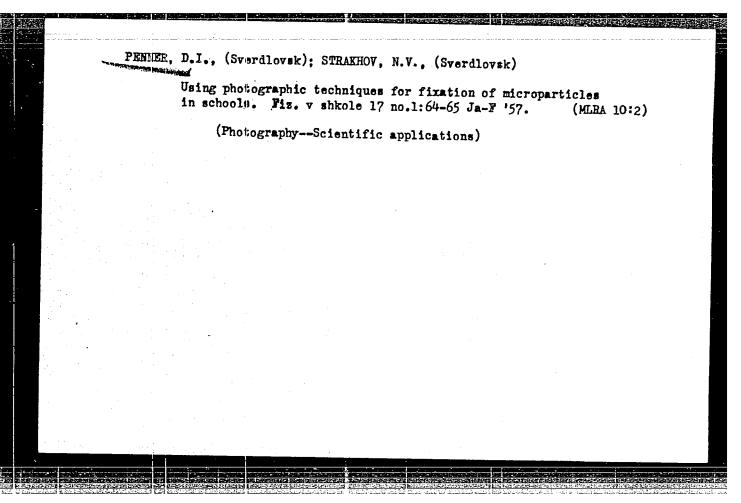
Monthly List of Russian Accessions, Library of Congress, November 1952, UNCLASSIFIED

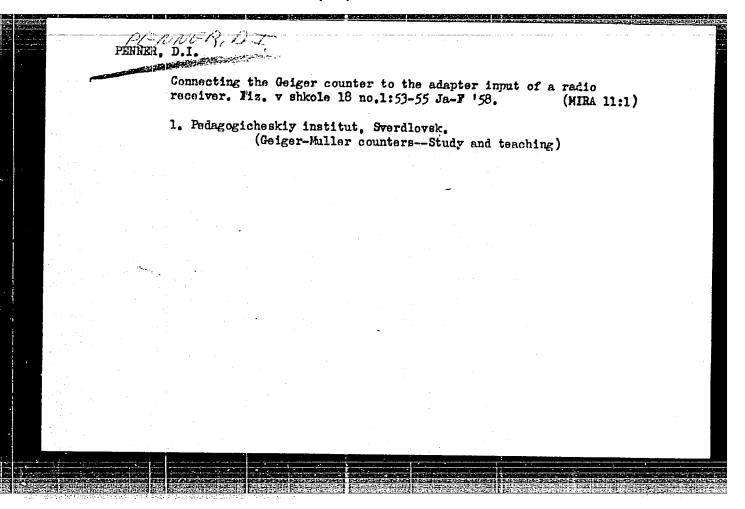












PENNER, D. I.

AUTHOR:

Penner, D.I.

47-58-1-18/35

TITLE:

Computers of Ionizing Particles (Schëtchiki ioniziruyushchikh chastits). Connecting a Geiger Counter to the Adaptor Inlet of a Radio-Receiver (Vklyucheniye schetchika Geygera na adapternyy vkhod radiopriyemnika)

PERIODICAL:

Fizika v Shkole, 1958, # 1, pp 53-55 (USSR)

ABSTRACT:

In this article, the author proposes various circuits to include a Geiger counter into the adaptor inlet of a radioreceiver to replace the stage of lower frequency and the kenotron of the former by the corresponding parts of the latter. It will help the teacher to explain to his pupils the circuit in a Geiger counter, during a class demonstration. A detailed circuit and description are included. There is 1 diagram, 1 photo and 1 figure.

ASSOCIATION: Pedagogicheskiy institut, Sverdlovsk (Pedagogic Institute,

Sverlovsk)

AVAILABLE:

Library of Congress

Card 1/1

CIA-RDP86-00513R001239920016-8" APPROVED FOR RELEASE: 06/15/2000

47-58-2-24/30

AUTHORS:

Penner, D.I., (Sverdlovsk Pedagogical Institute); Kovalev, P.G., Honored Teacher of the RSFSR School (Rostov-on-Don,

13th School)

TITLE:

Letters to the Editor (Pis'ma v redaktsiyu)

PERIODICAL: Fizika v Shkole, 1958, Nr 2, pp 84-85 (USSR)

ABSTRACT:

In the first letter the author deplores the lack of instruments and materials for school experiments, especially when dealing with nuclear physics. He presents a list of necessary instruments. In the second letter the author recommends more

care in printing illustration in text books.

AVAILABLE:

Library of Congress

Card 1/1

1. Nuclear physics-Study and teaching

SOV/3-59-3-27/48 22(1) Penner, D.I., Candidate of Physico-Mathematical Scien-AUTHOR: ces, Docent Students Publish Their Own Scientific Journal (Studen-TITLE: ty vypuskayut svoy nauchnyy zhurnal) Vestnik vysshey shkoly, 1959, Nr 3, pp 57-58 (USSR) PERIODICAL: "Physics and Astronomy" is the name of the journal ABSTRACT: issued by the scientific student circle, attached to the chairs of the Physico-Mathematical Department of the Sverdlovsk Pedagogic Institute. The journal is published for the third year and at present Nr 8 is being prepared for publication. Each edition has 80 to 100 pages. The contributors are instructors of of the institute chairs, senior course students, in-

Card 1/2

stitute graduates, correspondence students and experienced physics teachers of Sverdlovsk. The journal has several sections on scientific subjects, the life of the department and on bibliography. From

22(1)

SOV/3-59-5-25/34

AUTHOR:

Penner, D.I., Candidate of Physico-Mathematical

Sciences, Docent

TITLE:

Prospective Teachers . Lecture

. Lecture to the

Population

PERIODICAL:

Vestnik vysshey shkoly, 1959, Nr 5, pp 79 - 80

(USSR)

ABSTRACT:

Being aware of the importance of acquiring lecturing skill by students, the Sverdlovsk Pedagogical Institute enlists the services of senior course students, for disseminating scientific and political knowledge among working people. A lecturing student group has been organized with the Chair of Theoretical Physics and Astronomy. Twenty-four of the students have already been admitted as members of the Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy (Society for the Dissemination of Political and Scientific Knowledge).

Card 1/2

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SOV/3-59-5-25/34

Prospective Teachers

Lecture to the Population

For students belonging to this group, lessons are being arranged regularly, in which instructors with lecturing experience present model-lectures, the texts of which are later turned over to the students. Most of the lectures read by the instructors and students are accompanied by multicolored diapositives and experimental demonstrations. The Chair intends to expand this lecturing activity among the working people, particularly with the participation of students.

ASSOCIATION: Sverdlovskiy pedagogicheskiy institut (Sverdlovsk

Pedagogical Institute)

Card 2/2

9,6150 (1482)

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\$/058/61/000/006/059/063 A001/A101

AUTHOR:

Penner, D.I.

TITLE:

A microphotometrical investigation of the field of micro radio waves

PERIODICAL:

Referativnyy zhurnal. Fizika, no. 6, 196. 394-395, abstract 6Zh539 ("Uch. zap. Sverdl. gos. ped. in-ta", 1959, no. 17, 31 - 35)

TEXT: The author describes the method of visualization of the field of radio waves by means of the large-scale sparking effect in metallic powders subjected to action of a strong field. If the powder is applied directly to photoemulsion, a glow can be recorded and the picture of distribution of the wave field in space can be obtained. The pictures of some fields were obtained, diffraction field of a point-like radiation source (in the first maximum region) and field in the waveguide aperture, in the 3-cm wavelength range. At a short exposure, when film blackening does not proceed beyond the limits of a linear section, microphotometry of pictures yields field distribution which agrees qualitatively with the

V. Livshits

[Abstracter's note: Complete translation]

Card 1/1

BABANSKIY, Yu.K.; BALABEKYAN, O.I. (Orenburg); PENNER, D.I.; AVRUKINA, T.E. (Leningrad); SVITKOV, L. (Moskva)

Discussion of the draft program of physics for the eight-year school and the secondary school of general education with industrial training. Fiz.v shkole 20 no.1:62-65 Ja-F '60.

(MTRA 14:10)

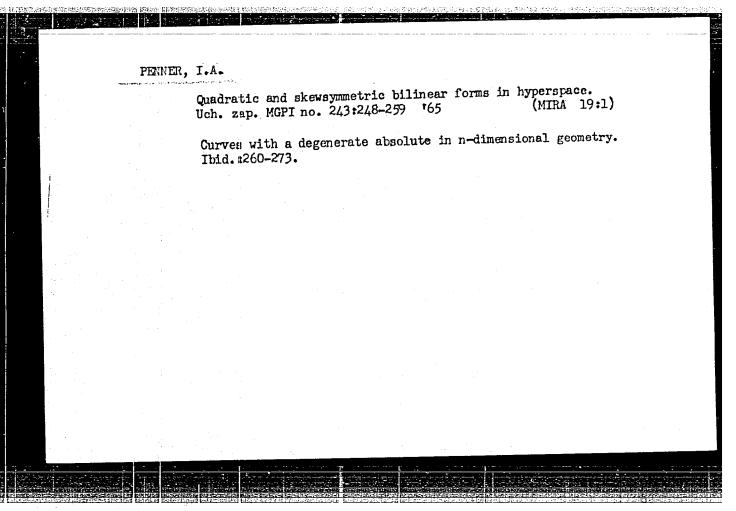
1. Gosudarstvennyy pedagogicheskiy institut, Rostov-na-Donu (for Babanskiy). 2. Pedagogicheskiy institut, Sverdlovsk (for Penner).

(Physics-Study and teaching)

KOMSKIY, David Matveyevich; PENNER, David Ivanovich; DANILEVSKAYA,
N.V., otv. za vypusk; GUNDEMOKIT, L.M., Ted.; MICHURINA,
N.N., tekhm. red.

[Making devices for demonstrations at popular lectures on
physical and technological subjects] Izgotovlenie demonstratsionnykh priborov dlia populiarnykh lektsii na fizikotekhnicheskie temy. Moskva, Ob-vo po rasprostraneniiu polit.
i nauchm. znanii RSFSR, 1963. 38 p. (MIRA 16:9)

(Physics--Audiovisual aids)

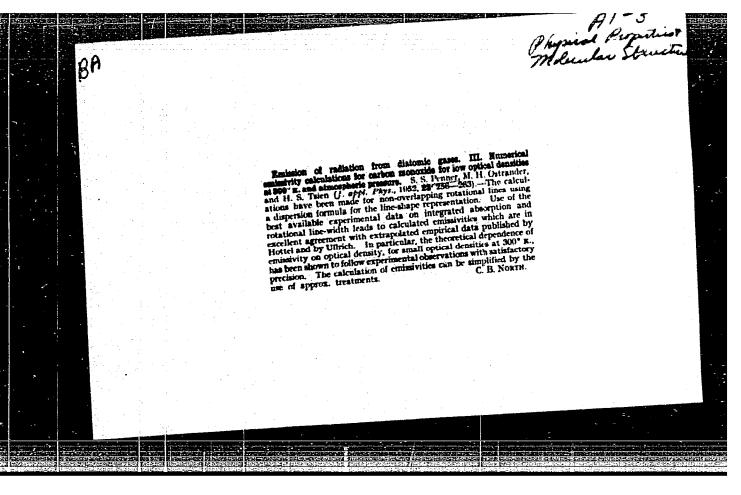


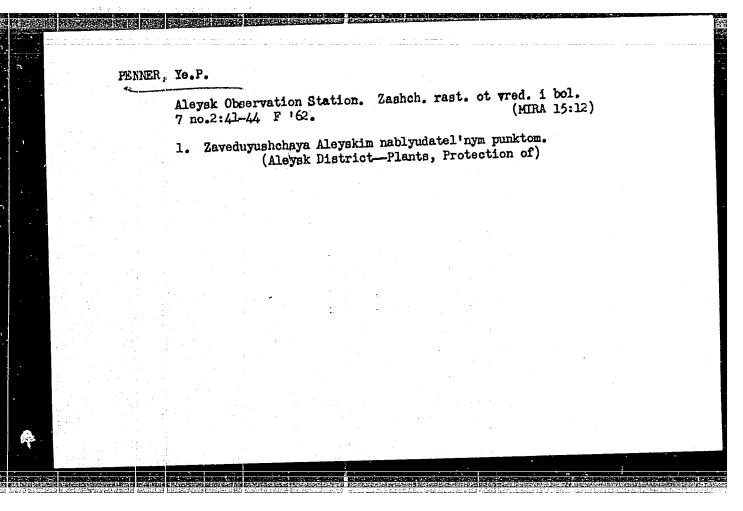
KAZAKOVA, L., student; PENNER, L., student; OSPANOVA, M., student

Dynamics of the blood pressure of pregnant women according to data from the Simipalatinsk Maternity Home during 1954 to 1955.
Trudy Semipal. med. inst. 2:193-201 '59. (MIRA 15:4)

1. Kafedra gospital'noy terapii (zav.kafedroy - doktor med.nauk, prof. R.Ya.Spivak) i kafedra akusherstva i ginekologii (zav.kafedroy - kand.med.nauk A.A.Kozbagarov) Semipalatinskogo gosudarstvennogo meditsinskogo instituta.

(BLOOD PRESSURE) (PREGNANCY)





ELEFANT, E.; VALIK, A.; DRAPKA, M.; FROCHAZKA, M.; FERNIGEROVA, S.

Personal results and indications for neuroplegia in infants with surgical diseases. Cesk. pediat. 13 no.1:15-20 5 Jan 58.

1, III. detska klinika KU v Fraze, prednosta prof. Dr. O. Vychytil Klinika pediatricke chirurgie v Praze, prednosta doc. Dr. V. Kafka. E. E., Praha 2, Jecna c. 29.

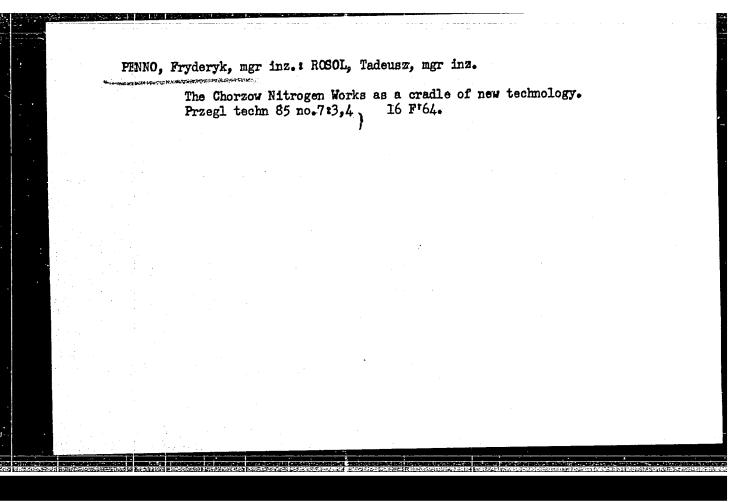
(ANSTERSIA, REGIONAL, in inf. & child nerve block, indic. in surg. dis. of inf. (Gz))

(PEDIATRIC DISEASES, therapy, ganglion blocking agents in surg. dis. (Gz))

HOLANOVA, L.; PENNIGEROVA, S.; LACKOVA, E.

Adrenal function tests in premature infants. Cesk. pediat. 20 no.11:967-969 N '65.

1. III. detska klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. 0. Vychytil) a I. detska klinika fakulty detskeho lekarstvi Karlovy University v Praze (prednosta prof. dr. J. Svejcar, DrSc.).



PHNOY, G.G.

Nothod of prolonged registration of arterial pulse, deglutition, and movements of the mandible and the head in man. Suvrem. med., Sofia 5 nc.6:104-105 1954.

1. Is Instituta po fiziologii I.P.Pavlov pri Meditsinskata akademiia Vulko Chervenkov, Sofiia (direktor: akad. D.Orakhovats)

(PULSE,

registration of pulse, deglutition, & movements of mandible & head)

(DEGLUTITION.

registration of pulse deglutition & movements of mandible & head)

(MANDIBLE,

registration of pulse, deglutition & movements of mandible & head)

(HEAD.

registration of pulse, deglutition & movements of mandible & head)

(MOVEMENTS.

registration of pulse, deglutition & movements of mandible & head)

RADEVISKI, R., polk.; VASILEV, As., podp.; PENOV, G. G-Plethysmographic method in examination of the cardiovascular system; preliminary communication. Suvrem.med., Sofia 6 no.9: 79-83 1955. (PLETHYSMOGRAPHY, (Bul))

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ALADZHOV,St.G.; ZHIVKOV,E.S.; PEIOV,G.

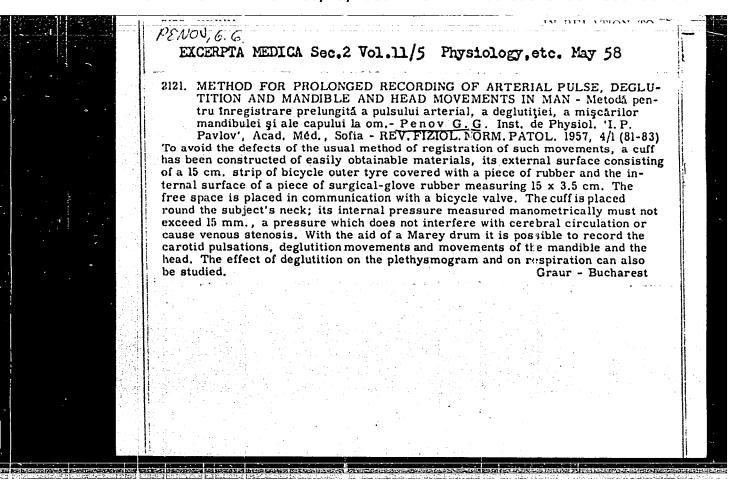
Our experience with clinical electroretinography. Nouch. tr. vish. med. inst. Sofiia 42 no.4:91-95 '63

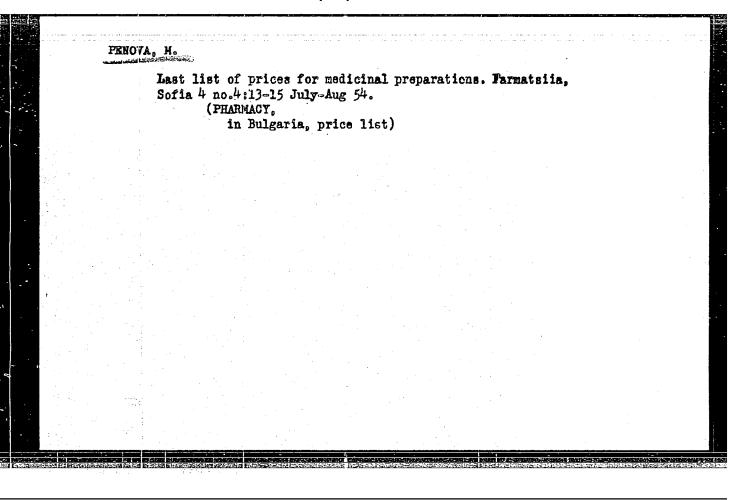
1. Aus der Universitatsaugenklinik (Direktor: Doz.E.Zhivkov) und dem Physiologischen Institut (Direktor: Prof. T.Gotzev) des Medizinischen Institutes in Sofia.

ALADJOV, St.; ZIVKOV, E.; PENOV, G.

Electroretinogram in diseases of the uvea. Nauch. tr. vissh. med. inst. Sofiia 43 no.3:27-30 '64.

1. Chair of Ophthalmology (Director: Prof. E. Zivkov) and Chair of Physiology (Director: Prof. T. Godev) Higher Medical Institute, Sofia.





MARCKOV, N.G., redaktor: FRUNKOVA, S.A., tekhnicheskiy redaktor

[A catalog of books, geological maps and teaching charts] Katalog knig, geologicheskikh kart i uchebnykh plakatov. [Moskva] Gosgeoltekhizdat, 1956. 18 p. (Mina 9:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo literatury po geologii i okhrane nedr.

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